



CANADIAN CODE EVALUATION REPORT

CERCAN-1075

PUBLISHED:
EXPIRATION:

August 2026
August 2028

PRODUCT: HWW-57A, HWW-65B and HWMPC-120A

REPORT HOLDER: Jumpstart Consultants, Inc.

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CSI DIVISION: 07 00 00 - Thermal and Moisture Protection

CSI SECTION: 07 25 00 – Weather Barriers
07 27 00 – Air Barrier

APPLICABLE CODES: 2020 National Building Code of Canada (NBC)
2024 British Columbia Building Code (BCBC)
2023 National Building Code of Canada Alberta Edition (NBC(AE))
2024 Ontario Building Code (OBC)

EVALUATED: Sheathing Membrane
Air Barrier



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1.0 APPROVED FOR FOLLOWING:

APPROVED TYPES OF CONSTRUCTION:	Combustible/Non-Combustible Construction
APPROVED USE:	For use as Sheathing Membrane and Air Barrier
APPROVED INSTALLATIONS:	Loadbearing and Non-Loadbearing Exterior Walls

2.0 DESCRIPTION:

2.1 General:

Jumpstart Consultant, Inc. (Jumpstart) HWW-57A, HWW-65B and HWMPC-120A synthetic building wraps are approved alternatives to the code-prescribed sheathing membrane referenced in Article 9.27.3.2. of the National Building Code of Canada (NBC).

HWW-57A and HWW-65B are recognized as a component of an air barrier assembly when tested in accordance with ASTM E2357, as referenced in Article 9.36.2.9., provided that the building is not subjected to sustained wind loads, calculated on the basis of a 1-in-50 hourly wind pressure, exceeding 0.65 kPa, and that the air barrier is installed on the warm side of the thermal insulation within the opaque building assembly.

HWMPC-120A, conforming to CAN/ULC-S741, is a code-prescribed air barrier material referenced in Article 9.36.2.10. of the NBC.

The evaluation of these products does not include the performance of the complete air barrier system, which must be continuous, durable and possess sufficient strength to resist the air pressure load applicable at the installation site, in addition to meeting the required air leakage performance criteria.

These products are intended for use in loadbearing and non-loadbearing exterior wall assemblies.

These products are considered minor combustible components and are permitted for use in buildings required to be of noncombustible construction in accordance with Sentence 3.1.5.2.(1) of the NBC.

2.2 Products:

HWW-57A is a building wrap consisting of a two-layer woven, microperforated polymeric scrim with a polymeric coating. The product is composed of woven polyethylene fabric with an extrusion-applied polyethylene coating on one side. The fabric consists of polyethylene tapes woven at 90-degree orientations to one another. The coated fabric incorporates light stabilizers and is microperforated to facilitate water vapour transmission.

HWW-65B is a building wrap consisting of a two-layer woven, microperforated polymeric scrim with a polymeric coating. The product is composed of woven polypropylene fabric with an extrusion coating on one side. The fabric incorporates tapes woven at 90-degree orientations to one another. The polyethylene coating layer is adjacent to the fabric component and comprises light stabilizers. The coated fabric is microperforated to facilitate water vapour transmission.

HWMPC-120A is a building wrap consisting of a breathable microporous film laminated between two nonwoven polymeric fabric layers. The product is composed of two nonwoven polypropylene fabric layers with a microporous film positioned between the outer plies. The fabric and film components incorporate light stabilizers and antioxidants.

Table 1. JUMPSTART SHEATHING MEMBRANE ROLL DIMENSIONS

PRODUCT	PRODUCT WEIGHT	
	g/m ²	oz/yd ²
HWW-57A	57	1.68
HWW-65B	65	1.92
HWMPC-120A	120	3.53

3.0 DESIGN:

The Jumpstart building wraps described in this report are intended for use as sheathing membranes beneath commonly used exterior wall cladding systems and do not require structural design.

Jumpstart building wraps are considered minor combustible components and are permitted in buildings required to be of noncombustible construction.

Where the building wrap serves as the principal plane of airtightness, it shall be installed in accordance with Jumpstart's installation instructions and the details outlined in this report to provide a continuous air barrier system conforming to Articles 9.25.3.1. and 9.25.3.3. of Division B of the NBC.

4.0 INSTALLATIONS:

4.1 General:

Jumpstart building wrap shall be installed in accordance with the manufacturer's published installation instructions, this report, and the applicable building code requirements. Where conflicts occur, this report and the applicable building code shall govern.

4.1 Sheathing Membrane:

Jumpstart building wrap is intended to be installed after framing, sheathing, and flashing installation have been completed, and prior to the installation of windows and doors. The product is used as a sheathing membrane beneath exterior cladding and shall be applied starting at the bottom of the structure. Vertical and horizontal seams shall overlap by a minimum of 51 mm (2 in.) to promote water shedding and prevent water penetration into the wall assembly, in accordance with the manufacturer's current installation instructions. A minimum overlap of 152 mm (6 in.) is required where a new roll begins at inside or outside corners.

Jumpstart building wrap shall be mechanically fastened to code-compliant sheathing using plastic-cap nails or staples, or non-corrosive roofing nails or staples. Fasteners shall be spaced approximately 203 mm (8 in.) on centre along the top and bottom plates and 610 mm (24 in.) on centre within the field of the wall. The product shall be installed with the printed side facing outward and shall be covered with a code-compliant exterior wall cladding within 180 days of installation.

4.2 Air Barrier System:

The product may be used as a component of the air barrier system, serving as the principal plane of airtightness. When installing as an air barrier, seal the wrap at the bottom of the wall with an approved residential or commercial sealant, flashing or sheathing tape listed below. For slab on grade foundations,

extend to the bottom of the sill plate. Building wrap should be integrated with weep screed for stucco installations.

Manufacturer	Product Grade	Type
Bostik	ChemCalk 915	Polyurethane
Henkl – OSI	HM270	Silicone
Sika	Sikaflex 1a	Polyurethane
Henry	HE925	Polyether
Dow-Corning	758	Silicone
Dow-Corning	758	Silicone
DAP	Dynaflex 800	Polymer
DAP	Polyurethane Adhesive	Polyurethane
Top Industrial, Inc.	Rainbuster 900	Polyurethane

Treatment of membrane penetrations is beyond the scope of this evaluation and shall be completed in accordance with the manufacturer's installation instructions and the applicable code.

5.0 LIMITATIONS:

- Installation of Jumpstart building wrap is to comply with the applicable code, this report and the manufacturer's installation instructions. Where differences are found between documents, the applicable code and this report shall be followed.
- Jumpstart building wrap is limited to installations over solid sheathing complying with the applicable code.
- Jumpstart building wrap is intended for installation under code complying exterior cladding.
- Jumpstart building wrap is classified as a minor combustible component for use as sheathing membrane and air barrier, approved for use in combustible and noncombustible construction.
- Jumpstart building wrap is manufactured in both Richmond, VA and Gandhinagar-Gujarat, India with inspection by QAI Laboratories.

6.0 SUPPORTING INFORMATION:

The following data has been evaluated for Jumpstart building wrap products:

- Data demonstrating performance in accordance with ASTM E2556
- Data demonstrating performance in accordance with ASTM E2178
- Data demonstrating performance in accordance with ASTM E2357
- Data demonstrating performance in accordance with ASTM E2273
- Data demonstrating compliance in accordance with CAN/ULC S741

7.0 MARKING:

Jumpstart building wraps include the following information on the product label:

- Product Name
- Company Name
- Country of Manufacture
- QAI CERcan-1075
- QAI Certification Mark shown below:



8.0 SUPPLEMENTAL CODES

8.1 2024 British Columbia Building Code (BCBC):

Jumpstart's building wraps as detailed in Sections 2.0 through 7.0 of QAI CER_{CAN}-1075 comply with the 2024 British Columbia Building Code (BCBC) requirements as an alternative to approved sheathing membrane and an air barrier material when installed in accordance with the applicable building codes. See Section 8.4 for specific code references related to the performance requirements of this product.

8.2 2023 National Building Code Alberta Edition (NBC(AE)):

Jumpstart's building wraps as detailed in Sections 2.0 through 7.0 of QAI CER_{CAN}-1075 comply with the 2023 National Building Code Alberta Edition (NBC(AE)) requirements as an alternative to approved sheathing membrane and an air barrier material when installed in accordance with the applicable building codes. See Section 8.4 for specific code references related to the performance requirements of this product.

8.3 2024 Ontario Building Code (OBC):

Jumpstart's building wraps as detailed in Sections 2.0 through 7.0 of QAI CER_{CAN}-1075 comply with the 2024 Ontario Building Code (OBC) requirements as an alternative to approved sheathing membrane and an air barrier material when installed in accordance with the applicable building codes. See Section 8.4 for specific code references related to the performance requirements of this product.

8.4 Building Code References

Table 5 – Building Code References and Solution Types:

Property	Building Code References				Solution Type
	2020 NBC	2024 BCBC	2023 NBC(AE)	2024 OBC	
Air Barrier Assemblies	5.4.1.2	5.4.1.2	5.4.1.2	5.4.1.2	Acceptable
Air Barrier System Properties	9.25.3.2	9.25.3.2	9.25.3.2	9.25.3.2	Alternative
Sheathing Membrane Material Standard	9.27.3.2	9.27.3.2	9.27.3.2	9.27.3.2	Alternative
Required Sheathing Membrane and Installation	9.27.3.3	9.27.3.3	9.27.3.3	9.27.3.3	Alternative
Construction of Air Barrier Details	9.36.2.10	9.36.2.10	9.36.2.10	9.36.2.10	Acceptable

Table 6 – Building Code Objectives:

Category	Subcategory	Objective	Definition
OH - Health	OH1 Indoor Conditions	OH1.1	Inadequate indoor air quality
		OH1.2	Inadequate thermal comfort
		OH1.3	Contact with moisture
OS - Safety	OS1 Fire Safety	OS1.1	Fire or explosion occurring
		OS1.4	Fire safety systems failing to function as expected
	OS2 Structural Safety	OS2.3	Damage to or deterioration of building elements
	OS3 Safety in Use	OS3.4	Exposure to hazardous substances
OE - Environment	OE1 Resources	OE1.1	Excessive use of energy

Table 7 – Building Code Functional Statements:

Statement	Definition
F20	To support and withstand expected loads and forces.
F40	To limit the level of contaminants.
F44	To limit the spread of hazardous substances beyond their point of release.
F55	To resist the transfer of air through environmental separators.
F61	To resist the ingress of precipitation, water or moisture from the exterior or from the ground.
F62	To facilitate the dissipation of water and moisture from the building.
F80	To resist deterioration resulting from expected service conditions.
F90	To limit the amount of uncontrolled air leakage through the building envelope.

9.0 ELIGIBILITY OF REPORT

QAI is an independent and accredited certification, testing and inspection agency following the requirements of ISO/IEC 17065, ISO/IEC 17025, and ISO/IEC 17020. Accreditations are held by QAI for the Conformity Assessment of products used in construction as governed by building codes. QAI operates in accordance with recognized standards of impartiality, technical competence and independence as required to support alternative solutions per the National Building Code of Canada (NBC) or provincial / municipal codes.

QAI's Canadian Code Evaluation Report is in accordance with the National Building Code of Canada (NBC) 2020, Division A, Section 1.2.1.1, which permits the use of alternative solutions to the acceptable solutions in Division B. An alternative solution must at least meet the minimum level of performance required or satisfy the intent of the Code defined by the objectives and functional statements associated to the applicable acceptable solutions. Supporting data has been evaluated by QAI for compliance of the noted materials and assemblies with the applicable Code requirements, as detailed in this report.

In accordance with STANDATA interpretation 23-BCI-005, QAI is recognized by the Government of Alberta Ministry of Municipal Affairs as an approved organization to issue evaluation reports to determine compliance with the requirements of the National Build Code Alberta Edition (NBC(AE)).

This Canadian Code Evaluation Report has been developed to demonstrate that the noted materials or assemblies satisfy the performance associated with the relevant objectives and functional statements of the NBC, or noted provincial / municipal codes, and is intended to support authorities having jurisdiction (AHJs), design professionals, contractors, and engineers in assessing the compliance of the evaluated product. The limitations of this evaluation are detailed in the report and QAI accepts no responsibility for site specific conditions and any product or installation changes beyond the scope of this evaluation.

The report has been reviewed and approved by a Registered Professional Engineer licensed in a Canadian jurisdiction.

The product is labelled and subject to ongoing surveillance using QAI's accredited ISO/IEC 17020 inspection program to ensure continued compliance.

For more information regarding QAI Laboratories, please visit www.QAI.org.



The above is an example of the QAI registered Listing mark. The Listing mark may only be used by the Report Holder per the QAI service agreement on products defined in this report. The 'c' indicator in the 8 o'clock position indicates the product complies with the properties evaluated with limitations outlined in this report for use in the Canadian market. A 'us' indicator in the 4 o'clock position indicates the product has been evaluated for use in the US market.



10.0 REFERENCED STANDARDS

ASTM E2178 - *Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials*

ASTM E2357 - *Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies*

ASTM E2273 - *Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies*

ASTM E2556 - *Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment*

CAN/ULC S741 - *Standard for Air Barrier Materials – Specifications*

CAN/CGSB-51.32-M – *Sheathing, Membrane, Breather Type*